

BPSC Series

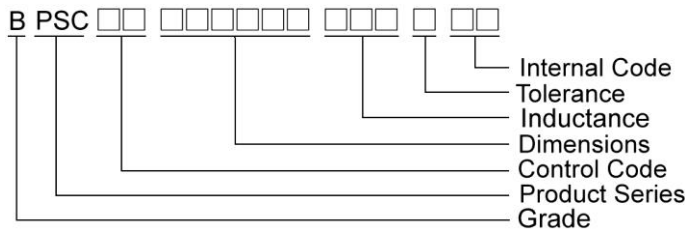
Features

- RoHS, Halogen Free and REACH Compliance
- Magnetic shielded
- Various package size and wide inductance range

Applications

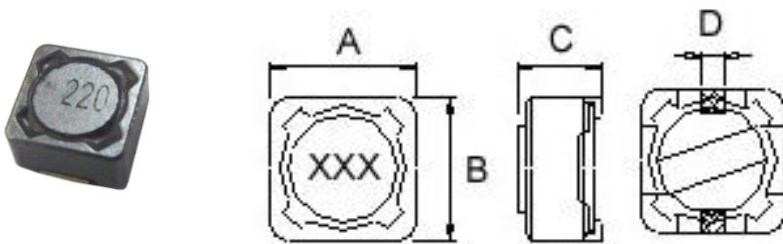
- AP Routers
- STBs
- LCD TVs and monitors
- Game consoles
- LED lightings
- DC/DC converters

Product Identification

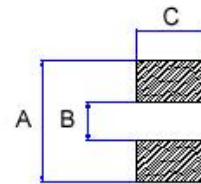


Shape and Dimensions

BPSC00070734/070745



Recommended Pattern

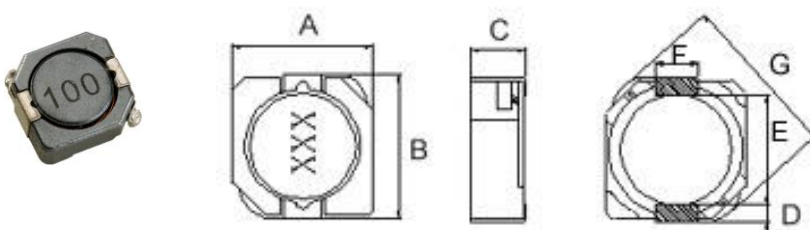


Dimension in mm

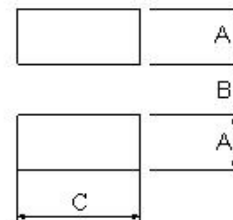
TYPE	Shape and Dimensions				Recommended Pattern		
	A	B	C	D	A	B	C
BPSC00070734	7.3±0.2	7.3±0.2	3.4 ⁺⁰	1.8	8.4	4.4	2.2
BPSC00070745	7.3±0.2	7.3±0.2	4.5 ⁺⁰	1.8	8.4	4.4	2.2

Shape and Dimensions

BPSC00101131/101140/101151



Recommended Pattern



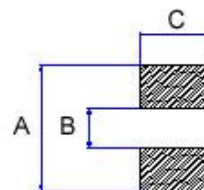
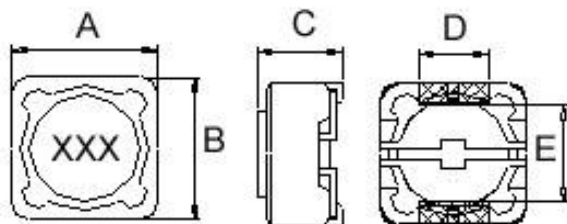
Dimensions in mm

TYPE	A	B	C	D	E	F	G	A	B	C
BPSC00101131	10.3 ⁺⁰	10.5 ⁺⁰	3.1 ⁺⁰	1.2	7.7	3.0	13.5 ⁺⁰	1.6	7.3	3.2
BPSC00101140	10.3 ⁺⁰	10.5 ⁺⁰	4 ⁺⁰	1.2	7.7	3.0	13.5 ⁺⁰	1.6	7.3	3.2
BPSC00101151	10.3 ⁺⁰	10.5 ⁺⁰	5.1 ⁺⁰	1.2	7.7	3.0	13.5 ⁺⁰	1.6	7.3	3.2

Shape and Dimensions

Recommended Pattern

BPSC00131345/131360/131380



Dimensions in mm

TYPE	Shape and Dimensions					Recommended Pattern		
	A	B	C	D	E	A	B	C
BPSC00131345	12.5 ⁺⁰	12.5 ⁺⁰	4.5 ⁺⁰	5	7.6	13	7	5.4
BPSC00131360	12.5 ⁺⁰	12.5 ⁺⁰	6 ⁺⁰	5	7.6	13	7	5.4
BPSC00131380	12.5 ⁺⁰	12.5 ⁺⁰	8 ⁺⁰	5	7.6	13	7	5.4

SMD Shielded Power Inductors – BPSC Series

Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance (\pm %)	Test Frequency	RDC (Ω) Max	Isat (A) Max	Marking
BPSC000707341R5□00	1.5	20	1 kHz, 1 V	0.03	4	1R5
BPSC000707342R2□00	2.2	20	1 kHz, 1 V	0.03	4	2R2
BPSC000707343R3□00	3.3	20	1 kHz, 1 V	0.04	3.7	3R3
BPSC000707346R8□00	6.8	20	1 kHz, 1 V	0.06	2	6R8
BPSC00070734100□00	10	20	1 kHz, 1 V	0.072	1.68	100
BPSC00070734120□00	12	20	1 kHz, 1 V	0.098	1.52	120
BPSC00070734150□00	15	20	1 kHz, 1 V	0.13	1.33	150
BPSC00070734180□00	18	20	1 kHz, 1 V	0.14	1.2	180
BPSC00070734220□00	22	20	1 kHz, 1 V	0.19	1.07	220
BPSC00070734270□00	27	20	1 kHz, 1 V	0.21	0.96	270
BPSC00070734330□00	33	20	1 kHz, 1 V	0.24	0.91	330
BPSC00070734390□00	39	20	1 kHz, 1 V	0.32	0.77	390
BPSC00070734470□00	47	20	1 kHz, 1 V	0.36	0.76	470
BPSC00070734560□00	56	20	1 kHz, 1 V	0.47	0.68	560
BPSC00070734680□00	68	20	1 kHz, 1 V	0.52	0.61	680
BPSC00070734820□00	82	20	1 kHz, 1 V	0.69	0.57	820
BPSC00070734101□00	100	20	1 kHz, 1 V	0.79	0.5	101
BPSC00070734121□00	120	20	1 kHz, 1 V	0.89	0.49	121
BPSC00070734151□00	150	20	1 kHz, 1 V	1.27	0.43	151
BPSC00070734181□00	180	20	1 kHz, 1 V	1.45	0.39	181
BPSC00070734221□00	220	20	1 kHz, 1 V	1.65	0.35	221
BPSC00070734271□00	270	20	1 kHz, 1 V	2.31	0.32	271
BPSC00070734331□00	330	20	1 kHz, 1 V	2.62	0.28	331
BPSC00070734391□00	390	20	1 kHz, 1 V	2.94	0.26	391
BPSC00070734471□00	470	20	1 kHz, 1 V	4.18	0.24	471
BPSC00070734561□00	560	20	1 kHz, 1 V	4.67	0.22	561
BPSC00070734681□00	680	20	1 kHz, 1 V	5.73	0.19	681
BPSC00070734821□00	820	20	1 kHz, 1 V	6.54	0.18	821
BPSC00070734102□00	1000	20	1 kHz, 1 V	9.44	0.16	102

Note: When ordering, please specify tolerance code. Tolerance: M= \pm 20%

- Operating temperature range - 40°C ~ 105°C(Including self temperature rise)
- Isat for Inductance drop 35% from its value with current
- Measure Equipment :
 - L : Agilent/ E4980 or HP4284A (under 1MHz), HP4285A (over 1MHz)
 - RDC : Chroma 16502
 - Isat : HP4284+42841A or WK3260B+WK3265B

SMD Shielded Power Inductors – BPSC Series

Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance (\pm %)	Test Frequency	RDC (Ω) Max	Isat (A) Max	Marking
BPSC000707451R5□00	1.5	20	1 kHz, 1 V	0.02	5	1R5
BPSC000707452R2□00	1.8	20	1 kHz, 1 V	0.025	4	1R8
BPSC000707452R2□00	2.2	20,30	1 kHz, 1 V	0.025	3.5	2R2
BPSC000707452R7□00	2.7	20,30	1 kHz, 1 V	0.03	3.5	2R7
BPSC000707453R3□00	3.3	20,30	1 kHz, 1 V	0.035	3.5	3R3
BPSC000707453R6□00	3.6	20,30	1 kHz, 1 V	0.035	3.2	3R6
BPSC000707454R7□00	4.7	20,30	1 kHz, 1 V	0.035	3	4R7
BPSC000707456R8□00	6.8	20	1 kHz, 1 V	0.045	2.5	6R8
BPSC00070745100□00	10	20	1 kHz, 1 V	0.049	1.84	100
BPSC00070745120□00	12	20	1 kHz, 1 V	0.058	1.71	120
BPSC00070745150□00	15	20	1 kHz, 1 V	0.081	1.47	150
BPSC00070745180□00	18	20	1 kHz, 1 V	0.091	1.31	180
BPSC00070745220□00	22	20	1 kHz, 1 V	0.11	1.23	220
BPSC00070745270□00	27	20	1 kHz, 1 V	0.15	1.12	270
BPSC00070745330□00	33	20	1 kHz, 1 V	0.17	0.96	330
BPSC00070745390□00	39	20	1 kHz, 1 V	0.23	0.91	390
BPSC00070745470□00	47	20	1 kHz, 1 V	0.26	0.88	470
BPSC00070745560□00	56	20	1 kHz, 1 V	0.35	0.75	560
BPSC00070745680□00	68	20	1 kHz, 1 V	0.38	0.69	680
BPSC00070745820□00	82	20	1 kHz, 1 V	0.43	0.61	820
BPSC00070745101□00	100	20	1 kHz, 1 V	0.61	0.6	101
BPSC00070745121□00	120	20	1 kHz, 1 V	0.66	0.52	121
BPSC00070745151□00	150	20	1 kHz, 1 V	0.88	0.46	151
BPSC00070745181□00	180	20	1 kHz, 1 V	0.98	0.42	181
BPSC00070745221□00	220	10,20	1 kHz, 1 V	1.17	0.36	221
BPSC00070745271□00	270	10,20	1 kHz, 1 V	1.64	0.34	271
BPSC00070745331□00	330	10,20	1 kHz, 1 V	1.86	0.32	331
BPSC00070745391□00	390	10,20	1 kHz, 1 V	2.85	0.29	391
BPSC00070745471□00	470	10,20	1 kHz, 1 V	3.01	0.26	471
BPSC00070745561□00	560	10,20	1 kHz, 1 V	3.62	0.23	561
BPSC00070745681□00	680	10,20	1 kHz, 1 V	4.63	0.22	681
BPSC00070745821□00	820	10,20	1 kHz, 1 V	5.2	0.2	821
BPSC00070745102□00	1000	10,20	1 kHz, 1 V	6	0.18	102

Note: When ordering, please specify tolerance code. Tolerance: K=±10% , M=±20% , T=±30%

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 - RDC : Chroma 16502
 - Isat : HP4284+42841A or WK3260B+WK3265B

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SMD Shielded Power Inductors – BPSC Series

Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance (\pm %)	Test Frequency	RDC (Ω) Max	Isat (A) Max	Marking
BPSC001011314R7□00	4.7	30	100 kHz, 1 V	0.03	4.65	4R7
BPSC001011316R8□00	6.8	30	100 kHz, 1 V	0.035	3.84	6R8
BPSC00101131100□00	10	20,30	100 kHz, 1 V	0.059	3.18	100
BPSC00101131150□00	15	20,30	100 kHz, 1 V	0.091	2.6	150
BPSC00101131330□00	33	20,30	100 kHz, 1 V	0.202	1.74	330
BPSC00101131470□00	47	20,30	100 kHz, 1 V	0.299	1.43	470
BPSC00101131560□00	56	20,30	100 kHz, 1 V	0.325	0.9	560

Note: When ordering, please specify tolerance code. Tolerance: M= \pm 20% , T= \pm 30%

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Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance (\pm %)	Test Frequency	RDC (Ω) Max	Isat(A) Max(Typ.)	Marking
BPSC001011401R5□00	1.5	30,+40-20	100 kHz,1 V	0.0088	8.5(10.5)	1R5
BPSC001011402R2□00	2.2	30	100 kHz,1 V	0.012	8.0(10.5)	2R2
BPSC001011402R5□00	2.5	30	100 kHz,1 V	0.012	7.5(9.5)	2R5
BPSC001011403R3□00	3.3	30	100 kHz,1 V	0.015	7.0(8.7)	3R3
BPSC001011403R8□00	3.8	30	100 kHz,1 V	0.015	6.8(8.5)	3R8
BPSC001011404R7□00	4.7	20,30	100 kHz,1 V	0.02	5.8(7.3)	4R7
BPSC001011405R2□00	5.2	20,30	100 kHz,1 V	0.024	5.8(7.3)	5R2
BPSC001011405R6□00	5.6	20,30	100 kHz,1 V	0.027	5.0(6.5)	5R6
BPSC001011406R8□00	6.8	20,30	100 kHz,1 V	0.031	5.0(6.5)	6R8
BPSC001011407R0□00	7	20,30	100 kHz,1 V	0.031	4.8(5.9)	7R0
BPSC001011408R2□00	8.2	20,30	100 kHz,1 V	0.036	4.5(5.8)	8R2
BPSC00101140100□00	10	20,30	100 kHz,1 V	0.04	4.0(5.0)	100
BPSC00101140150□00	15	20,30	100 kHz,1 V	0.055	3.4(4.3)	150
BPSC00101140180□00	18	20,30	100 kHz,1 V	0.075	2.9(3.6)	180
BPSC00101140220□00	22	20,30	100 kHz,1 V	0.08	2.6(3.3)	220
BPSC00101140270□00	27	20,30	100 kHz,1 V	0.096	2.4(3.0)	270
BPSC00101140330□00	33	20,30	100 kHz,1 V	0.098	2.3(2.9)	330
BPSC00101140390□00	39	20,30	100 kHz,1 V	0.12	2.1(2.7)	390
BPSC00101140470□00	47	20,30	100 kHz,1 V	0.144	1.8(2.5)	470
BPSC00101140560□00	56	20,30	100 kHz,1 V	0.175	1.6(2.1)	560
BPSC00101140680□00	68	20,30	100 kHz,1 V	0.204	1.4(1.9)	680
BPSC00101140820□00	82	20,30	100 kHz,1 V	0.25	1.3(1.7)	820
BPSC00101140101□00	100	20,30	100 kHz,1 V	0.304	1.0(1.6)	101
BPSC00101140151□00	150	20,30	100 kHz,1 V	0.506	0.96(1.3)	151
BPSC00101140221□00	220	20,30	100 kHz,1 V	0.69	0.8(1.0)	221
BPSC00101140331□00	330	20,30	100 kHz,1 V	1.09	0.68(0.86)	331
BPSC00101140471□00	470	20,30	100 kHz,1 V	1.6	0.6(0.75)	471
BPSC00101140561□00	560	20,30	100 kHz,1 V	1.68	0.5(0.68)	561

Note: When ordering, please specify tolerance code. Tolerance: M= \pm 20% , T= \pm 30% , N= \pm 40% -20%

- Operating temperature range - 40°C ~ 105°C(Including self temperature rise)
- Isat for Inductance drop 35% from its value with current
- Measure Equipment :
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BPSC00101151R80□00	0.8	30	100 kHz,1 V	0.0062	10.8(13.5)	R80
BPSC001011511R5□00	1.5	30	100 kHz,1 V	0.0081	10.3(12.9)	1R5
BPSC001011512R2□00	2.2	30	100 kHz,1 V	0.011	9.2(11)	2R2
BPSC001011513R3□00	3.3	30	100 kHz,1 V	0.012	7.2(9.0)	3R3
BPSC001011514R7□00	4.7	20,30	100 kHz,1 V	0.014	5.6(7.8)	4R7
BPSC001011516R8□00	6.8	20,30	100 kHz,1 V	0.024	5.1(6.4)	6R8
BPSC001011518R2□00	8.2	20,30	100 kHz,1 V	0.027	4.7(5.9)	8R2
BPSC00101151100□00	10	20,30	100 kHz,1 V	0.028	4.4(5.6)	100
BPSC00101151120□00	12	20,30	100 kHz,1 V	0.036	3.4(5.8)	120
BPSC00101151150□00	15	20,30	100 kHz,1 V	0.041	3.2(4.5)	150
BPSC00101151180□00	18	20,30	100 kHz,1 V	0.046	3.0(3.8)	180
BPSC00101151220□00	22	20,30	100 kHz,1 V	0.061	2.8(3.6)	220
BPSC00101151270□00	27	20,30	100 kHz,1 V	0.069	2.1(3.2)	270
BPSC00101151330□00	33	20,30	100 kHz,1 V	0.084	2.0(2.9)	330
BPSC00101151390□00	39	20,30	100 kHz,1 V	0.106	1.9(2.6)	390
BPSC00101151470□00	47	20,30	100 kHz,1 V	0.13	1.7(2.3)	470
BPSC00101151560□00	56	20,30	100 kHz,1 V	0.149	1.6(2.2)	560
BPSC00101151680□00	68	20,30	100 kHz,1 V	0.201	1.5(2.0)	680
BPSC00101151820□00	82	20,30	100 kHz,1 V	0.227	1.3(1.8)	820
BPSC00101151101□00	100	20,30	100 kHz,1 V	0.253	1.2(1.7)	101
BPSC00101151121□00	120	20,30	100 kHz,1 V	0.303	1.1(1.5)	121
BPSC00101151151□00	150	20,30	100 kHz,1 V	0.42	1.0(1.3)	151
BPSC00101151181□00	180	20,30	100 kHz,1 V	0.45	0.9(1.2)	181
BPSC00101151221□00	220	20,30	100 kHz,1 V	0.54	0.8(1.1)	221
BPSC00101151271□00	270	20,30	100 kHz,1 V	0.672	0.75(0.99)	271
BPSC00101151331□00	330	20,30	100 kHz,1 V	0.812	0.74(0.92)	331
BPSC00101151391□00	390	20,30	100 kHz,1 V	0.953	0.62(0.83)	391
BPSC00101151471□00	470	20,30	100 kHz,1 V	1.29	0.6(0.77)	471
BPSC00101151561□00	560	20,30	100 kHz,1 V	1.43	0.47(0.71)	561
BPSC00101151681□00	680	20,30	100 kHz,1 V	1.6	0.46(0.65)	681
BPSC00101151821□00	820	20,30	100 kHz,1 V	1.77	0.42(0.57)	821
BPSC00101151102□00	1000	20,30	100 kHz,1 V	2.2	0.40(0.54)	102

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BPSC001313453R3□00	3.3	30	100 kHz, 1 V	0.015	8.8(11.1)	3R3
BPSC001313453R9□00	3.9	30	100 kHz, 1 V	0.016	8.0(10.1)	3R9
BPSC001313454R7□00	4.7	20,30	100 kHz, 1 V	0.018	7.9(9.9)	4R7
BPSC001313456R8□00	6.8	20,30	100 kHz, 1 V	0.023	6.5(8.3)	6R8
BPSC00131345100□00	10	20,30	100 kHz, 1 V	0.035	5.2(6.6)	100
BPSC00131345120□00	12	20,30	100 kHz, 1 V	0.038	4.8(6.2)	120
BPSC00131345150□00	15	20,30	100 kHz, 1 V	0.05	4.1(5.4)	150
BPSC00131345180□00	18	20,30	100 kHz, 1 V	0.057	4.0(5.1)	180
BPSC00131345220□00	22	20,30	100 kHz, 1 V	0.066	3.5(4.4)	220
BPSC00131345270□00	27	20,30	100 kHz, 1 V	0.08	3.1(3.9)	270
BPSC00131345330□00	33	20,30	100 kHz, 1 V	0.097	2.7(3.5)	330
BPSC00131345390□00	39	20,30	100 kHz, 1 V	0.132	2.1(3.2)	390
BPSC00131345470□00	47	20,30	100 kHz, 1 V	0.15	1.9(2.9)	470
BPSC00131345560□00	56	20,30	100 kHz, 1 V	0.19	1.8(2.6)	560
BPSC00131345680□00	68	20,30	100 kHz, 1 V	0.22	1.5(2.5)	680
BPSC00131345820□00	82	20,30	100 kHz, 1 V	0.26	1.3(2.3)	820
BPSC00131345101□00	100	20,30	100 kHz, 1 V	0.308	1.2(2.0)	101
BPSC00131345121□00	120	20,30	100 kHz, 1 V	0.38	1.1(1.8)	121
BPSC00131345151□00	150	20,30	100 kHz, 1 V	0.53	0.95(1.6)	151
BPSC00131345181□00	180	20,30	100 kHz, 1 V	0.62	0.85(1.4)	181
BPSC00131345221□00	220	20,30	100 kHz, 1 V	0.7	0.8(1.3)	221
BPSC00131345271□00	270	20,30	100 kHz, 1 V	0.876	0.6(1.1)	271
BPSC00131345331□00	330	20,30	100 kHz, 1 V	0.99	0.5(1.0)	331

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Part Number	Inductance (μ H)	Tolerance (\pm %)	Test Frequency	RDC (Ω) Max	Isat(A) Max(Typ.)	Marking
BPSC001313603R3□00	3.3	30	1 kHz, 1 V	0.015	8.0(11)	3R3
BPSC001313604R7□00	4.7	20,30	1 kHz, 1 V	0.018	7.6(9.2)	4R7
BPSC001313606R4□00	6.4	20,30	1 kHz, 1 V	0.018	6.4(8.1)	6R4
BPSC001313608R2□00	8.2	20,30	1 kHz, 1 V	0.02	5.8(7.4)	8R2
BPSC00131360100□00	10	20,30	1 kHz, 1 V	0.025	5.3(6.8)	100
BPSC00131360120□00	12	20,30	1 kHz, 1 V	0.027	5.3(6.8)	120
BPSC00131360150□00	15	20,30	1 kHz, 1 V	0.03	4.0(5.2)	150
BPSC00131360180□00	18	20,30	1 kHz, 1 V	0.034	3.8(4.9)	180
BPSC00131360220□00	22	20,30	1 kHz, 1 V	0.036	3.6(4.8)	220
BPSC00131360270□00	27	20,30	1 kHz, 1 V	0.051	3.2(4.1)	270
BPSC00131360330□00	33	20,30	1 kHz, 1 V	0.057	2.9(3.7)	330
BPSC00131360390□00	39	20,30	1 kHz, 1 V	0.068	2.7(3.5)	390
BPSC00131360470□00	47	20,30	1 kHz, 1 V	0.084	2.4(3.1)	470
BPSC00131360560□00	56	20,30	1 kHz, 1 V	0.1	2.1(2.7)	560
BPSC00131360680□00	68	20,30	1 kHz, 1 V	0.12	2.0(2.6)	680
BPSC00131360820□00	82	20,30	1 kHz, 1 V	0.14	1.8(2.3)	820
BPSC00131360101□00	100	20,30	1 kHz, 1 V	0.16	1.6(2.1)	101
BPSC00131360121□00	120	20,30	1 kHz, 1 V	0.18	1.5(1.9)	121
BPSC00131360151□00	150	20,30	1 kHz, 1 V	0.23	1.3(1.7)	151
BPSC00131360181□00	180	20,30	1 kHz, 1 V	0.29	1.2(1.6)	181
BPSC00131360221□00	220	20,30	1 kHz, 1 V	0.32	1.0(1.4)	221
BPSC00131360271□00	270	20,30	1 kHz, 1 V	0.38	0.90(1.2)	271
BPSC00131360331□00	330	20,30	1 kHz, 1 V	0.48	0.75(1.1)	331
BPSC00131360391□00	390	20,30	1 kHz, 1 V	0.6	0.70(1.0)	391
BPSC00131360471□00	470	20,30	1 kHz, 1 V	0.7	0.65(0.99)	471
BPSC00131360561□00	560	20,30	1 kHz, 1 V	0.86	0.60(0.91)	561
BPSC0013134681□00	680	20,30	1 kHz, 1 V	1.1	0.55(0.82)	681
BPSC00131360821□00	820	20,30	1 kHz, 1 V	1.34	0.50(0.71)	821
BPSC00131360102□00	1000	20,30	1 kHz, 1 V	1.53	0.45(0.64)	102

Note: When ordering, please specify tolerance code. Tolerance: M= \pm 20% , T= \pm 30%

- Operating temperature range - 40°C ~ 105°C(Including self temperature rise)
- Isat for Inductance drop 35% from its value with current
- Measure Equipment :
 - L : Agilent/ E4980 or HP4284A (under 1MHz), HP4285A (over 1MHz)
 - RDC : Chroma 16502
 - Isat : HP4284+42841A or WK3260B+WK3265B

SMD Shielded Power Inductors – BPSC Series

Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance (\pm %)	Test Frequency	RDC (Ω) Max	Isat(A) Max(Typ.)	Marking
BPSC001313801R5□00	1.5	30	100 kHz,1 V	0.0074	21.6(28.0)	1R5
BPSC001313802R2□00	2.2	30,+40-20	100 kHz,1 V	0.0089	17.6(24.0)	2R2
BPSC001313802R4□00	2.4	30,+40-20	100 kHz,1 V	0.0089	17.6(24.0)	2R4
BPSC001313803R3□00	3.3	30,+40-20	100 kHz,1 V	0.0099	14.6(19.4)	3R3
BPSC001313803R5□00	3.5	30,+40-20	100 kHz,1 V	0.0123	13.8(17.4)	3R5
BPSC001313804R7□00	4.7	20,30	100 kHz,1 V	0.0158	12.3(15.4)	4R7
BPSC001313806R1□00	6.1	20,30,+40-20	100 kHz,1 V	0.0176	10.9(13.8)	6R1
BPSC001313806R8□00	6.8	20,30	100 kHz,1 V	0.018	10.8(13.7)	6R8
BPSC001313807R6□00	7.6	20,30	100 kHz,1 V	0.02	10.0(12.6)	7R6
BPSC00131380100□00	10	20,30	1 kHz,1 V	0.022	8.9(11.2)	100
BPSC00131380120□00	12	20,30	1 kHz,1 V	0.03	7.4(9.4)	120
BPSC00131380150□00	15	20,30	1 kHz,1 V	0.034	7.1(9.0)	150
BPSC00131380180□00	18	20,30	1 kHz,1 V	0.0392	6.5(8.2)	180
BPSC00131380220□00	22	20,30	1 kHz,1 V	0.048	5.8(7.5)	220
BPSC00131380270□00	27	20,30	1 kHz,1 V	0.052	5.3(6.7)	270
BPSC00131380330□00	33	20,30	1 kHz,1 V	0.0648	4.8(6.1)	330
BPSC00131380390□00	39	20,30	1 kHz,1 V	0.065	3.9(5.6)	390
BPSC00131380470□00	47	20,30	1 kHz,1 V	0.1	3.6(5.2)	470
BPSC00131380560□00	56	20,30	1 kHz,1 V	0.11	3.4(4.8)	560
BPSC00131380680□00	68	20,30	1 kHz,1 V	0.12	2.8(4.1)	680
BPSC00131380820□00	82	20,30	1 kHz,1 V	0.16	2.7(4.0)	820
BPSC00131380101□00	100	20,30	1 kHz,1 V	0.17	2.5(3.5)	101
BPSC00131380121□00	120	20,30	1 kHz,1 V	0.19	2.2(3.2)	121
BPSC00131380151□00	150	20,30	1 kHz,1 V	0.25	2.0(2.9)	151
BPSC00131380181□00	180	20,30	1 kHz,1 V	0.31	1.8(2.6)	181
BPSC00131380221□00	220	20,30	1 kHz,1 V	0.35	1.7(2.4)	221
BPSC00131380271□00	270	20,30	1 kHz,1 V	0.43	1.5(2.2)	271
BPSC00131380331□00	330	20,30	1 kHz,1 V	0.51	1.2(2.0)	331
BPSC00131380391□00	390	20,30	1 kHz,1 V	0.6	1.1(1.6)	391
BPSC00131380471□00	470	20,30	1 kHz,1 V	0.71	0.99(1.6)	471
BPSC00131380561□00	560	20,30	1 kHz,1 V	0.88	0.95(1.4)	561
BPSC0013134681□00	680	20,30	1 kHz,1 V	1.04	0.84(1.2)	681
BPSC00131380821□00	820	20,30	1 kHz,1 V	1.36	0.77(1.1)	821
BPSC00131380102□00	1000	20,30	1 kHz,1 V	1.66	0.73(1.0)	102

Note: When ordering, please specify tolerance code. Tolerance: M= \pm 20% , T= \pm 30% , N= $+40\%$ -20%

- Operating temperature range - 40°C ~ 105°C(Including self temperature rise)
- Isat for Inductance drop 35% from its value with current
- Measure Equipment :
 - L : Agilent/ E4980 or HP4284A (under 1MHz), HP4285A (over 1MHz)
 - RDC : Chroma 16502
 - Isat : HP4284+42841A or WK3260B+WK3265B

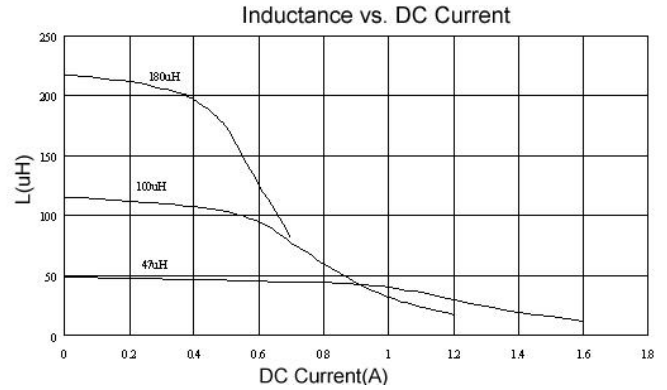
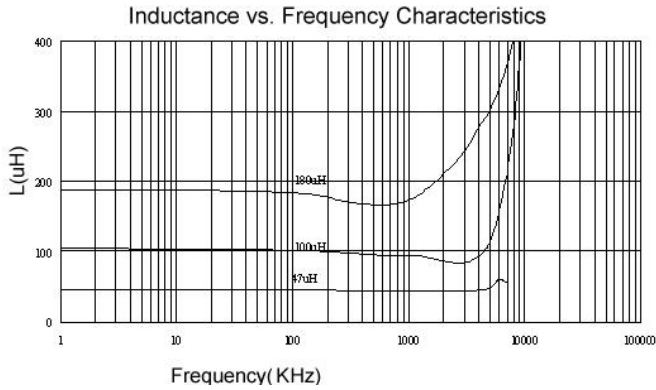
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

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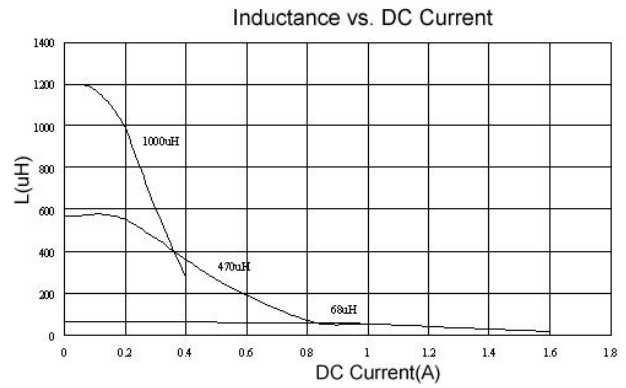
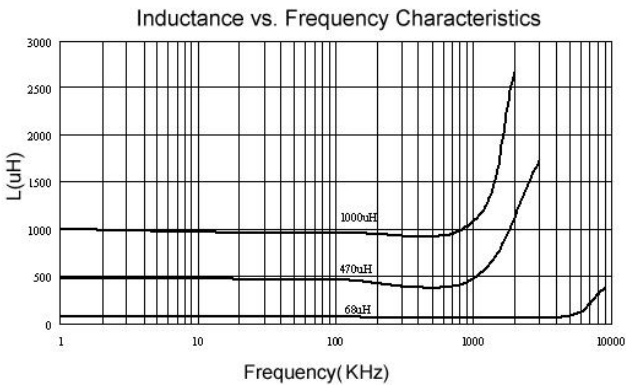
Curves of BPSC Series

Test Instruments : HP4294 Impedance / Material Analyzer

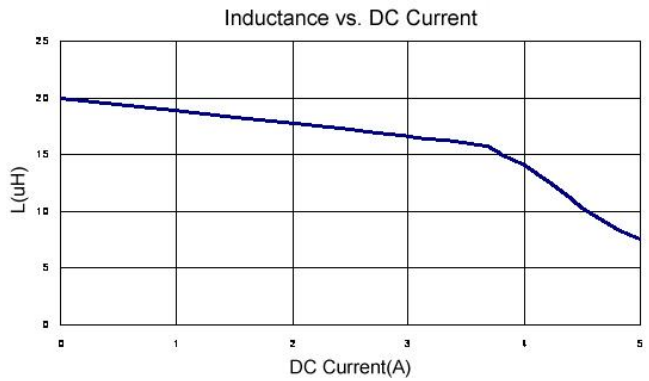
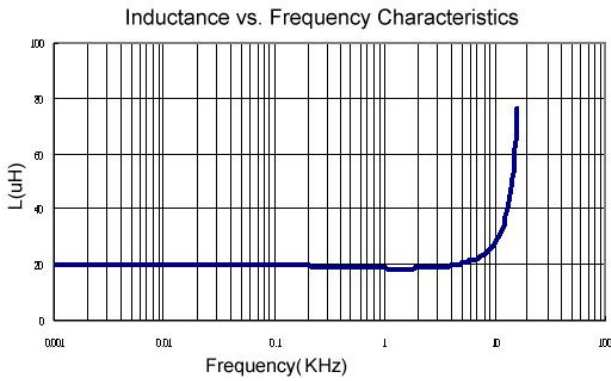
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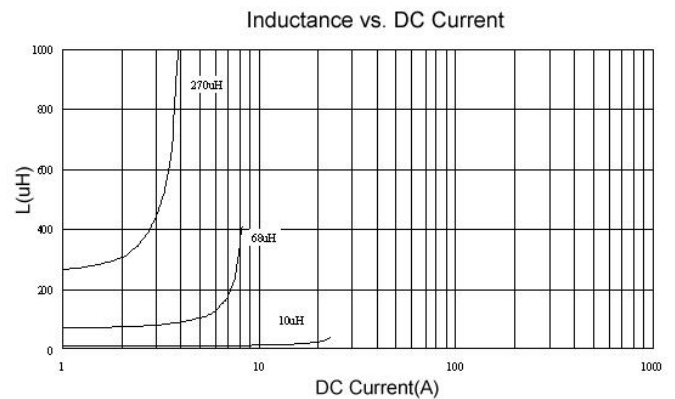
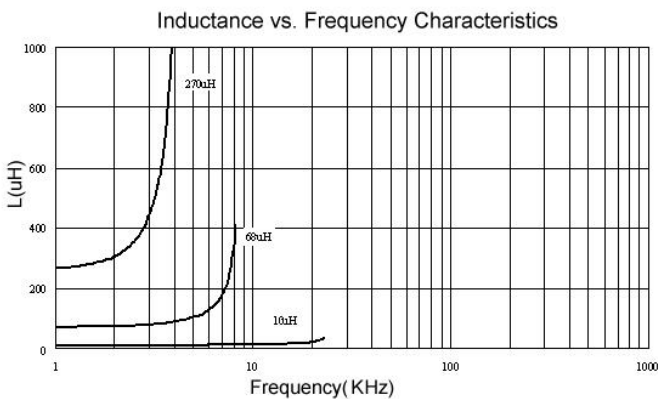
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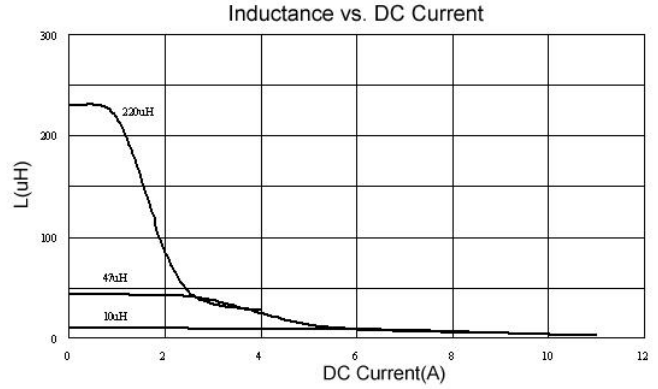
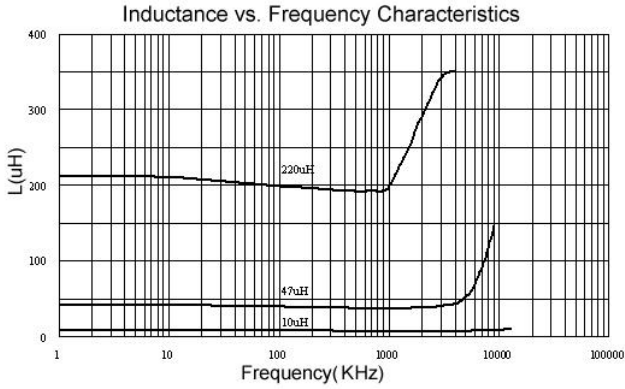
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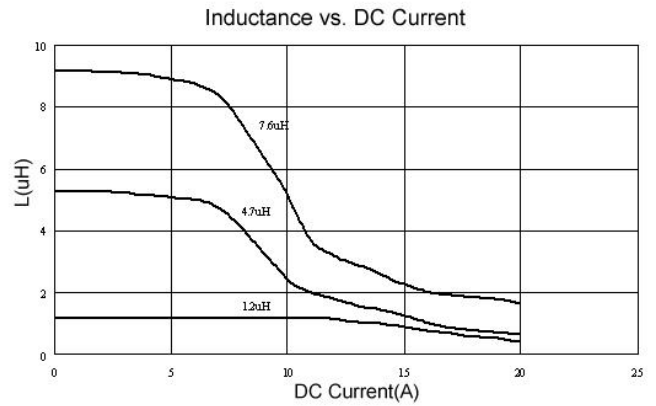
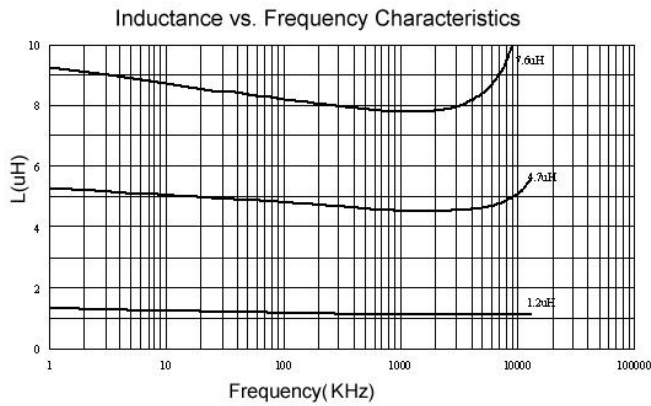
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BPSC00131360



BPSC00131380

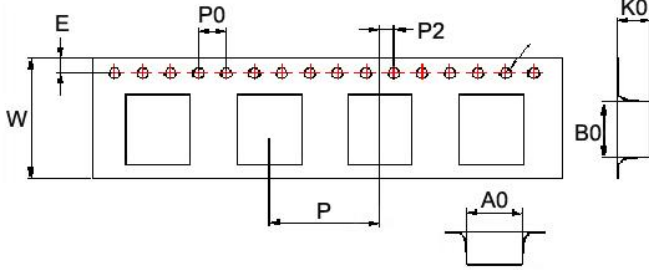


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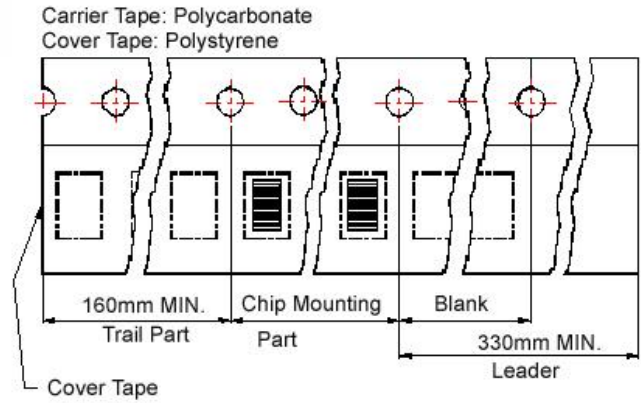
SMD Shielded Power Inductors - BPSC Series

Packaging Specifications

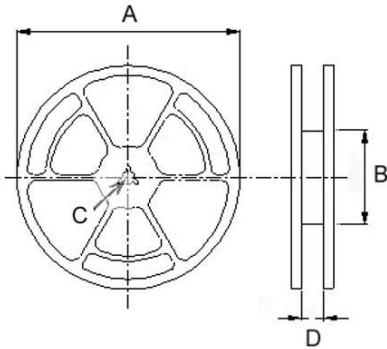
Tape Dimensions



Tape Material



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions									Reel Dimensions				Quantity
	A0	B0	K0	D	E	W	P	P0	P2	A	B	C	D	PCS / REEL
BPSC00070734	7.6	7.6	3.6	1.55	1.75	16	12	4	2	330	100	13	16.0	1600
BPSC00070745	7.6	7.6	5.0	1.55	1.75	16	12	4	2	330	100	13	16.0	1000
BPSC00101131	10.6	10.75	4.2	1.55	1.75	24	16	4	2	300	100	13	24.4	1000
BPSC00101140	10.6	10.75	4.2	1.5	1.75	24	16	4	2	330	100	13	24.4	1000
BPSC00101151	10.6	10.6	5.0	1.5	1.75	24	16	4	2	330	100	13	24.4	500
BPSC00131345	13.0	12.8	5.1	1.55	1.75	24	16	4	2	330	100	13	24.4	500
BPSC00131360	12.6	12.6	6.7	1.55	1.75	24	16	4	2	330	100	13	24.4	600
BPSC00131380	12.6	12.6	8.7	1.55	1.75	24	16	4	2	330	100	13	24.4	500